Speculum Uranicum.

OR AN

ALMANACK

AND

PROGNOSTICATION

For the Year of our Lord God 1685.

Being the first from the

Bissextile or Leap-Year.

And from the Creation of the World, 5634.

Wherein is Contained the State of the Year, the Eclipses, Lunations, Conjunctions, and Aspects of the Planets and Meteorological Observations, with the Rising, Southing, and Setting of the Sun, Moon, and fixed Stars, throughout the whole Year, whereby may be known the hour of the Night when the Moon or Stars are to be seen.

Calculated according to Art, and referred to the Horison of the famous City of *London*, whose Longitude is 24 degr. 20 min. Latitude 51 degr. 32 min. and may serve, without any sensible Errour, the whole Kingdom of *England*.

By THOMAS FOWLE, *Practitioner in the Mathematical Sciences.*

Thus saith the Lord which giveth the Sun for a Light by day, and the Courses of the Moon, and of the Stars for a light by night, which breaketh the Sea when the Waves thereof roar: his Name is the Lord of Hosts. Jer. 31. 35.

LONDON,

Printed By *R. E.* for the Company of Stationers. 1685.

The Regal Table.

Kings and Q. Names.	Born	Began to Reign.	Reign. Y.	Reign. M.	Since they Reigned.		Buried at.
William 1	1027	1066 Oct. 14	20	11	538 Sep.	9	Caen Nor.
William 2	1057	1087 Sep. 9	12	11	585 Aug.	2	Winchest.
Henry 1	1068	1100 Aug. 2	35	4	550 Dec.	1	Reading.
Stephen.	1105	1135 Dec. 1	18	11	531 Oct.	26	Fevrsham

The *Saxon Line* restored.

Henry 2	1133	1154 Oct. 25	34	9	496 July	6	Fountev.
Richard 1	1155	1189 July 6	9	9	486 April	6	Fountev.
John	1165	1199 April 6	17	7	469 Oct.	19	Worceſter.
Henry 3	1207	1216 Oct. 19	56	1	412 Nov	16	Weſtmin.
Edward 1	1239	1272 Nov. 16	34	8	378 July	7	Weſtmin.
Edward 2	1312	1307 July 7	19	7	359 Jan.	25	Gloceſter.
Edward 3	1312	1329 Jan. 25	50	5	308 Jun.	21	Weſtmin.
Richard 2	1366	1377 Jun. 21	22	3	286 Sep.	29	Weſtmin.

The *Lancaſter Line.*

Henry 4	1367	1399 Sep. 29	13	6	272 Mar.	20	Canterb.
Henry 5	1376	1413 Mar. 20	9	5	263 Aug.	31	Weſtmin.
Henry 6	1421	1422 Aug. 31	38	6	225 Mar.	4	Windſor.

The *York Line.*

Edward 4	1441	1460 Mar. 4	22	1	20	April 9	Winches.
Edward 5	1470	1483 April 9	0	2	102	Jun. 18	unknown
Richard 3	1448	1483 Jun. 18	2	2	100	Aug. 22	Leiceſter

The Union of the Families.

Henry 7	1455	1485 Aug. 22	23	10	176	Apr. 22	Weſtmin.
Henry 8	1491	1509 Apr. 22	37	10	139	Jan. 28	Winſton
Edward 6	1517	1547 Jan. 28	6	5	132	July 6	Weſtmin.
Q. Mary	1515	1553 July 6	5	4	127	Nov. 17	Weſtmin.
Q. Eliz.	1539	1558 Nov. 17	44	4	85	Mar. 24	Weſtmin.

The Union of the Kingdom.

James	1566	1603 Mar. 24	22	9	60	Mar. 27	Weſtmin.
Charles 1	1600	1625 Mar. 27	23	10	17	Jan. 30	Windſor.
Charles 2	1630	1648 Jan. 30	Vivat Rex.				

Of twenty ſix doth only one remain,
Whom God preſerve, grant long and proſp'rous Reign.

The Characters of the 12 Signs of the Zodiack.

♈ Aries, Head and Face.	♎ Libra, Reins & Loins.
♉ Taurus, Neck and Throat.	♏ Scorpio, Secret Members
♊ Gemini, Arms & Shoulders.	♐ Sagitarius, Thighs.
♋ Cancer, Breast and Stomach.	♑ Capricornus, Knees.
♌ Leo, Heart and Back.	♒ Aquarius, Legs.
♍ Virgo, Bowels and Belly.	♓ Pisces, Feet.

The Characters of the Seven Planets, &c.

♄ Saturn.	♀ Venus.	☊ Dragons Head.
♃ Jupiter.	☿ Mercury.	☋ Dragons Tail.
♂ Mars.	☽ Luna or Moon.	
☉ Sol.		

The five Aspects.

Names of the Aspects.	Distance. Sig. de.	The several Shapes of ☽ Light.
☌ Conjunction.	0	● Novilunium, *The New Moon.*
⚺ Sextile.	2	☽ Cornicula, *The Horned Moon.*
□ Quartile.	3	◑ Semiplen. *More than half full light*
△ Trine.	4	◑ Gibbosa, *More three parts light*
☍ Opposition.	6	○ Plenilunium, *The Full Moon*

The Terms and their Returns this year, 1685.

Hillary Term begins the 23 day of January, and ends the 12 day of February, and hath 4 Returns, *viz.* Octab. Quind. Hill. Craft. Purif. Octab. purif.

Easter Term begins the 6 of May, and end the 1 of June, and hath 5 Returns, *viz.* Quind. Paich. Tres. Paich. Menf. Paich. Quinq. Paich. Craft. Afcentionis.

Trinity Term begins June the 19, and ends July 8, and hath, 4 Returns *viz.* Craft. Trin. Octab. Trin. Quind. Trin. Tres. Trin.

Michaelmas Term begins October 23, and ends November 28 and hath 6 Returns, *viz.* Tres. Mich. Menf. Craft. Anim. Craft. Mart. Octab. Mart. Quind. Mart.

The Golden Planet Venus is our bright Morning Star, in the beginning of the Year, until the 18 day of *June*, and thence she will be an Evening Star until the 5 day of *July*. 1686.

The Common Notes of the year. 1685.

Julian or English	In both Accounts, viz.	Gregorian or Foreign.
14	The Golden Number.	14
14	Cycle of the Sun.	14
D	Dominical Letter.	C
*	The Epact.	24
29	Nunbes of Direction.	25
March 1	Shrove Sunday.	4. March.
April 19	Easter day.	22. April.
May 24	Rogation Sunday.	27. May.
May 28	Ascention day.	31. May.
June 7	Whit-Sunday.	10. June.
June 14	Trinity Sunday.	17 June.
November 29	Advent Sunday.	3 December

The Explanation of the following Diary.

THE 12 Months are contained in 12 Pages, and each Page is divided into six Columns; in the First of which is placed the days of the Month.

In the Second Column is the days of the Week. D. in the *Julian* or *English* Accompt, being the Dominical Letter.

The Third Column hath the Feasts and Holy-days, with the Suns Rising and Setting every four or five days, the beginning and ending of the Terms of Law, &c.

The Fourth Column sheweth the Moons Sign every day in each Month throughout the whole year.

The Fifth Column sheweth the Moons Rising and Setting, in hours and minutes; from the full Moon to the New Moon her Rising is noted; and likewise her Setting is set down from the New Moon to the full: the Letter (*A*) stands for Afternoon, and the Letter (*M*) stands for Morning; which is exceeding easie and useful.

The Sixth and Last Column is set down the Mutual Aspects of the Planets, the Moons Apogeon, and Perigeon with some Predictions of the Weather, and other things worthy of observation. But as for the judgments of the Weather no man as yet could enter the *Sanctum Sanctorum* of verity.

January hath XXXI days.

First Quarter. the 2 day, 25 minutes past 2 afternoon.
Full Moon. the 10 day, 34 minutes past 3 afternoon.
Last Quarter the 17 day, 8 minutes pest 7 in the Evening.
New Moon the 24 day, 38 minutes past 3 afternoon.

1	d	New-year d.	head	11	26	Moons Setting.	The year and month
2	h	Abel.	head	12	30		begins with clear air
3	c	Enoch.	neck	0 M.	30		and some frost.
4	☽	Sun rise 7.57.	neck	2	50		
5	e	Simeon.	neck	3	43		☽ Apog. Rain or
6	f	Twelfth day	arms	4	47		□ ♄ ♀. Snow with
7	g	Julian.	arms	5	57		□ ♂ ☿. cold sharp
8	a	Sun set 4. 7.	breast	6	50		☽ cum ☊. winds
9	b	Marcell.	breast	7	46		about this time.
10	c	Paul Erem.	breast.	Full	●		✱ ♄ ♀.
11	☽	1 P. Epiph.	heart	4 A.	55		Crown Star. ☌ ☉.
12	e	Sun rise 7.49.	hart.	5	37		
13	f	Hillary.	belly	6	36	Moons Rising.	Dark cold and clou-
14	g	Felix.	belly	8	14		dy air.
15	a	Mauricus.	reins	9	31		△ ♃ ☿. a cold win
16	b	Sun set 4. 18.	reins	10	39		dy air with Snow or
17	c	Anthony.	secrets	12	2		cold rain.
18	☽	2 p. Epiph.	secrets	0 M.	2		✱ ♄ ♂. turbulent
19	e	Sun ris. 7. 38.	thighs	1	21		☽ Perigeon.
20	f	Sebastian.	thighs	2	39		cold dark air.
21	g	Agnes.	knees	4	0		☽ cum ☋.
22	a	Vincent.	knees	5	13		a moist air.
23	b	Term begin.	knees	6	41		This Month I hope
24	c	Sun set 4.30.	legs	New	☽		will prove more mild
25	☽	Con. S. Paul	legs	5 A.	25	Moons Setting.	than it was in Ja-
26	e	Policarp.	feet	6	39		nuary, 1684.
27	f	Chrysost.	feet	7	50		
28	g	Sun ris. 7. 23.	head	8	59		
29	a	Samuel.	head.	9	58		△ ♄ ♀ &. snow like
30	b	K. Charls m.	neck	11	12		□ ☉ ♂. open air
31	c	Virgillus.	neck	12	14		△ ☉ ♃. at the end

February hath XXVIII days.

First Quarter the 1 day, 17 min. past 11 beforenoon.
Full Moon the 9 day, 52 min. past 5 in the Morning.
Last Quarter the 16 day, at 2 in the Morning.
New Moon the 23 day 19 min. past 6 in the morn.

M. D.	W. D.	Holy da with suns rise & set.	Moons Sign.	Moons rise and set.			The Planets Aspects and change of Air.
1	☽	Ep. Epiph.	neck	☉ M.	14	Moons setting.	☽ Apog. this month begins Indifferent with mild air.
2	♀	Candle-mass.	arms	1	33		
3	♄	Sun ris. 7. 14.	arms	2	42		
4	♃	Veronica.	breast	3	44		□ ♃ ♀. Cold rain or ✱ ♂ ♀ & Snow. and ☍ ☉ ☿ some winds □ ♂ ☿. and a sharp ☉ in ♓ air about this time.
5	♂	Agatha.	breast.	4	18		
6	♀	Dorothera.	breast.	5	3		
7	☿	Sun set 4. 52.	heart	5	45		
8	☽	Ep. Epiph.	heart	6	39		
9	♂	Apolon.	belly	Full ☽			
10	♀	Scholast.	belly	5 A	47		△ ♃ ☿. great high winds with some rain
11	☿	Sun rise 6 59	reins	6	55		
12	♂	Term ends.	reins.	8	10		
13	♄	Agabus.	secrets	9	40	Moons Rising.	Fair but windy.
14	♃	S. Valentine.	secrets	11	15		He is a good Author
15	☽	Septuagesim.	secrets	13	32		☽ Perig. that hits the white in the mark, ☽ cum ♑. and he is no bad one that comes near it.
16	♂	Sun set 5. 7.	thighs.	1 M.	32		
17	♀	Constance.	thighs.	2	58		
18	☿	Concord.	knees	3	58		
19	♂	Sun ris 6. 46	knees	4	57		
20	♄	Eucharist.	legs	5	57		
21	♃	Esaias.	legs	6	21		☍ ☉ ♄ Cold air with snow, and sometimes rain or sleet.
22	☽	Sexagessima.	feet	6	41		
23	♂	Sun set 5. 22.	feet	New ☽			
24	♀	S. Matthias.	head	7 A	17	Moons setting.	△ ♃ ☿ more high winds may be expect- △ ♃ ♀ ed, some [illegible]
25	☿	Victor.	head	8	23		
26	♂	Sun ris. 6. 30.	heed	9	31		
27	♄	Fortuna.	neck	10	39		☽ Apog. mild the end
28	♃	Macar.	neck	11	43		

March hath XXXI days.

First Quarter the 3 day, 4 min. past 8 before noon.
Full Moon the 10 day, 49 min. past 3 afternoon.
Last Quarter the 17 day, about 9 a clock before noon.
New Moon the 24 day, 43 min. past 9 at night.

1	☽	Shrove Sund.	arms	12	19			David.
2	♂	Sun sets 5.40	arms	1	1	♓	☽	Cold rain or snow
3	f	Shrove mold	arms	1	20	♓	☽ ☿ ☌ ♀	about this
4	g	Ashwedensd.	breast	2	1	♈	☽	cum ☉ time
5	a	Eusebius.	breast	2	59	♈	☽	tract as the scor-
6	b	Sun rise 6.1	heart	3	39	♉	☽	pions heart, a tu-
7	c	Felicitas.	heart	4	14	♉	☽	lent air may be ex-
8	d	Quadragesi.	heart	4	44	♉	☽	pected, but inclined
9	e	Prudent.	belly	5	10	♊	☽	to driness, Cold and
10	f	☉ in ♈.	belly	Full	●			cloudy, equal day
11	g	Ember week.	reins	6	35	♊		and night, each 12
12	a	Gregory.	reins	7	50	♋		hours.
13	b	Sun set 6. 21	secret	9	1	♋	☽	Perigeon.
14	c	Ruppchus.	secrets	10	33	♌	☽ ☐ ☿ ♀ ☿	windy
15	d	2 Sund. Lent.	thighs	11	55	♌	☽	turbulent air, with
16	e	Sun rise 5.52	thighs	13	15	♍	☽ ☿ ♂	a cha-
17	f	Gertrude.	knees	1	15	♍	☽	cum ☉ riety of
18	g	Gabriel.	knees	2	11	♎	☽ ☿	weather at
19	a	Joseph.	legs	3	59	♎	☽	this time.
20	b	Rupert.	legs	4	30	♏	☽	☿ drawing
21	c	Sun set 6. 18.	feet	4	52	♏	☽	near, new bree-
22	d	3 Sund. Lent.	feet.	5	20	♐	☽	zes and perhaps some
23	e	Nicanor.	feet.	5	35	♐	☽ ☐ ♄ ♂	thunder.
24	f	Quirinus.	head	New	☽			
25	g	Lady day.	head	6	51	♑	☽	Clear air.
26	a	Sun rise 5.54	neck	8	1	♑	☽	
27	b	Fo. Dem.	neck	9	5	♒	☽ ☿ ☌ ♃	winds, air
28	c	Gideon.	neck	10	14	♒	☽	Apogeon and dry,
29	d	M. Lent. Sun	arms	11	26	♓	☽	for the season.
30	e	Sun set 6.35	arms	12	22	♓	☽	
31	f	Bibiana.	breast	0	22	♈	☽	cum ☉

April hath XXX days

First Quarter the 1 day, 44 minutes past 9 in the night.
Full Moon the 9 day, 58 min. past 2 in the morning.
Last Quarter the 15 day, 25 min. past 5 afternoon.
New moon the 23 day, 35 min. past 1 afternoon.

1	♉	Theodore.	breast	1 M.	11	Moons Setting.	Clear and windy at the beginning.
2	♊	Sun ris. 5. 18.	breast	1	58		
3	♋	Christian.	heart	2	34		
4	♌	Ambrose.	heart	3	1		
5	♍	Sund. Lent.	belly	3	35		△ ♂ ☿. dry winds about the 5.6.7. days.
6	♎	Sun set 6. 50.	belly	3	57		
7	♏	Cælestin.	reins	4	12		☍ ♃ ☿.
8	♐	Dionys.	reins	4	40		
9	♑	☉ in ♉.	secrets	Full			
10	♒	Ezechiel.	secrets	8 A.	6		
11	♓	Leo Pap.	thighs	9	44	Moons Rising.	△ ♂ ♀. Showers of ☽ Perig. rain and fine
12	♈	Palm. Sund.	thighs	11	0		
13	♉	Sun ris. 4. 55.	knees	12	10		☍ ♃ ♀. Springing weather about this time.
14	♊	Tiburtius.	knees	0 M.	10		
15	♋	Olympia.	legs	1	3		☌ ☉ ☿. winds & rain
16	♌	Clarisius.	legs	1	44		△ ♄ ☿. and a cold
17	♍	Good-friday	legs	2	4		Cloudy air may be expected.
18	♎	Sun set 7. 14.	feet	2	22		
19	♏	Easter Day.	feet	2	47		△ ☉ ♄. Cold and cloudy with rain and hail for the most part in Easter week.
20	♐	Easter mund.	head	3	5		
21	♑	Easter tuesd.	head	3	25		
22	♒	Emanuel.	neck	3	46		
23	♓	St. George.	neck	New ☽			
24	♈	Sun ris. 4. 35.	neck	8 A.	13		
25	♉	St. Mark.	arms	9	19	☽ setting.	☽'s Apogæon. no great alteration of ☽ ☊. the air but it may prove indifferent good weather towards the end.
26	♊	Low Sund.	arms.	10	22		
27	♋	Sun set 7. 31.	breast	11	22		
28	♌	Vitalis.	breast	12	15		
29	♍	Sibilla.	breast	0 M.	15		
30	♎	Josua.	heart	0	37		

May hath XXXI days.

First Quarter the 1 day, 29 min. past 3 afternoon.
Full Moon the 8 day, 48 min. past 10 beforenoon.
Last Quarter the 15 day, about 4 in the Morning.
New Moon the 23 day, about 6 in the morning.
First Quarter the 31 day about 3 in the morning.

1	☽	Phil. and Jac.	heart	1 M	5	The Month begins
2	☾	Sun rif. 4.21.	belly	1	41	□ ♄ ☿. with high
3	☽	Misericord.	belly	2	8	△ ♄ ♀ winds, rain, and
4	☿	Flori n.	belly	2	23	☌ ♂ ☿ much variety
5	☾	Gothard.	reins	2	43	▽ ♃ ☿ of weather
6	☽		reins	3	2	th. first week.
7	☾	Sun set. 7. 47.	secrets	3	27	
8	☽	Stanislaus.	secrets	Full ●		☽ Perigæon.
9	☾	Hiobe.	thighs	8 A.	32	□ ♄ ♂ thunder storms
10	☽		thighs	9	59	☽ cum ♀. with rain
11	☽	Jubilate.	knees	11	4	may now be expected
12	☾	Sun rif. 4. 7.	knees	11	56	
13	☽	Servatius.	legs	12	41	
14	☾	Fortuna.	legs	1 M.	41	Venus with the ☽ ✳'s
15	☽	Sophia.	feet	1	35	a moist turbulent air.
16	☾	Sun set 7. 58.	feet	1	56	
17	☽		head	2	11	
18	☿	Venant.	head	2	30	☍ ☉ ♂ hot and dry
19	☾	Sarah.	head	2	43	weather about this
20	☽	Bernard.	neck	3	5	time, and perhaps
21	☾	Sun rif. 3. 55.	neck	3	27	□ ☉ ♄ thunder and
22	☽	Helena.	arms	3	45	☽ Apog. hail.
23	☾	Deside.	arms	New ☽		☌ ♂ ♀ hasty showers
24	☽	Rogat. Sund.	arms	9	15	△ ☉ ♃ and thunder
25	☾	Sun set. 8. 8.	breast	10	16	☽ cum ☌. in some
26	☽	Edward.	breast	10	58	places.
27	☿	Beda.	heart	11	38	♂ transits Cor ♏.
28	☽		heart	12	10	△ ♄ ☿ showers of rain
29	☽	Holy thurf.	heart	0 M.	10	△ ♃ ☿ and fine plea-
30	☾	Sun rif. 3. 50.	belly	1	1	sant weather ends
31	☽	Exaudi.	belly	1	21	the month.

Moons Setting.

Moons Rising.

June hath XXX days.

Full Moon the 6 day, about 6 afternoon.
Last Quarter the 13 day, 40 min. past 4 afternoon.
New Moon the 21 day, 49 min. past 7 afteruoon.
First Quarter the 21 day, 10 min. past 11 beforenoon.

1	e	Term ends.	reins	1 M.	40	Moons Set	this Month begins as
2	f	Sun sets 8. 11.	reins	2	2		the last ended with
3	g	Erasmus.	secrets	2	28		pleasant Summer
4	a	Quirin.	secrets	2	47		weather.
5	b	Boniface.	thighs	3	23		☽ Perigæon.
6	c	Sun rise 3.48.	thighs	Full	●		☽ with ☋. Eclipsed
7	D	White-Sund.	knees	8 A.	30		invisible.
8	e	Whit-Mund.	knees	9	23		
9	f	White-tuesd.	legs	10	30	Moons Rising.	♂ ☉ ☿ thunder
10	g	Embor week	legs	11	6		♂ ♀ ☿ with show-
11	a	St. Barnab.	feet	11	34		☉ in ♋ ers of rain.
12	b	Sun set 8. 13.	feet	11	52		
13	c	Cyrillus.	head	12	13		
14	D	Trinity Sund.	head	0 M.	13		
15	e	Vitus.	head	0	41		
16	f	Rulandus.	neck	1	4		
17	g	Sun rise 3..48	reck	1	19		About this time
18	a	Homer.	arms	1	41		♂ ☉ ♀ pleasant
19	b	Term begins	arms	2	7		☽ Apog. showers
20	c	Regina.	arms	2	43		☽ ☊ and some thun-
21	D	1 p. Trinity.	breast	New	☽		☉ Eclipsed. der.
22	e	Sun set 8. 10.	breast	8 A.	53	Moons Setting.	✱ ♄ ♀ showers of
23	f	Basilius.	heart	9	36		✱ ☉ ♄ & rain or
24	g	S John Bapt.	heart	10	10		□ ♃ ☿ hail.
25	a	Sun rise 3.52.	heart	10	33		□ ☉ ♃ thunder and
26	b	Jeremias.	belly	11	1		lightning about this
27	c	7 Sleepers.	belly	11	20		time.
28	D	2 p. Trinity.	reins	11	38		Fine pleasant wea-
29	e	S. Pet. & Pau.	reins	11	59		ther towards the
30	f	Com. paul.	secrets	12	20		end.

July hath XXXI days.

Full Moon the 6 day, 4 min. past 1 in the morning.
Last Quarter the 13 day, 41 min. past 7 in the morning.
New Moon the 21 day, 22 min. past 9 beforenoon.
First Quarter the 28 day, 50 min. past 4 afternoon.

1	♈	Sun sets 8 3.	secrets	0 M.	20	☽	The air inclined to
2	a	Visit. V. Mar.	thighs	1	7		heat at the bdgin-
3	b	Cornelius.	thighs	1	3	Sc	☽ Perig. ning of the
4	c	Ulricus.	knees	2	41		☽ cum ♆. month.
5	☽	8 p. Trin.	knees	Full	●		
6	e	Sun ris. 4. 2.	legs	9 A.	5		
7	f	Demetrius.	legs	9	26		△ ♂ ♀ Some show-
8	g	Term'ends.	legs	9	36		ers. of rain about
9	a	Cyrillus	feet	9	50		these days.
10	b	7 Brethren	feet	10	7	Moons Rising	
11	c	Sun set 7. 51.	head	10	28		
12	☽	4 p. Trinity.	head	10	48		☉ in ♌.
13	e	Margaret.	neck	11	0		✶ ♄ ☿. A cloudy air
14	f	Bonaventure.	neck	11	17		□ ♃ ☿. &. with great
15	g	St. Swithin.	neck	11	35		△ ☉ ♂.) heat and
16	a	Sun ris. 4. 15.	arms	12	1		☽s Apog. thunder
17	b	Alexius.	arms	0 M.	1		may be expected.
18	c	Maternus.	breast	1	0		
19	☽	5 p. Trin.	breast	2	9		
20	e	Do. days beg.	breast	3	3		✶ ♃ ♀. Pleasant wea-
21	f	Sun set. 7. 39.	heart	New	☽		ther & a clear air fit
22	g	Mary Magda.	heart	8 A.	32		for the season.
23	a	Appolin.	belly	9	4	Moons Setting	△ ♂ ☿. Thunder and
24	b	Christina.	belly	9	28		hail about this time.
25	c	St. James.	reins	9	39		
26	☽	6 p. Trin.	reins	10	2		
27	e	Martha.	reins	10	20		
28	f	Sun ris. 4. 34.	secrets	10	41		
29	g	Beatrice.	secrets	11	6		☌ ☉ ☿ W. or thund.
30	a	Abdon.	thighs	11	37		✶ ♃ ☿ about the end
31	b	German.	thighs	12	23		✶ ☉ ♃ of the month.

August hath XXXI days.

Full Moon the 4 day, 41 min. past 9 beforenoon.
Last Quarter the 11 day, near midnight.
Mew Moon the 19 day, 10 min past 10 in the night.
First Quarter the 26 day, 19 min. past 9 at night.

1	♌	Lammas.	knees	0 M.	23	☽ Set.	a fine clear air at the beginning of the month, with litrle or no alteration for certain days.
2	♍	7 past Trin.	knees	2	27		
3	♎	Dominick.	legs	3	46		
4	♏	Sun set 7 16.	legs	Full ●			
5	♐	Oswald.	feet	7 A.	41		
6	♑	Sixtus.	feet	8	8		
7	♒	Afra.	head	8	26		
8	♓	Sun ris. 4. 52.	head	8	44	Moons Rising.	
9	♈	8 past Trin.	head	9	2		□ ♂ ♀ showers of rain.
10	♉	Laurence.	neck.	9	20		☽ Apog.
11	♊	Titus.	neck.	9	43		□ ♂ ☿ Thunder and ☽ with ☊ hail and ☌ ♄ ♀ ☿ bad harvest weather may be expected about this ☌ ♀ ☿ time, *viz* store of rain and wind, or thunder.
12	♋	Clara.	arms	10	9		
13	♌	☉ in ♍.	arms	10	39		
14	♍	Sun set 6. 57.	arms	11	13		
15	♎	Assump. Ma.	breast	12	6		
16	♏	10 p. Trin.	breast	0 M.	6		
17	♐	Agapitus.	heart	2	4		
18	♑	Sun rise 5. 10.	heart	3	20		
19	♒	Sebaldus.	belly	New ☽			
20	♓	Bernard.	belly	7 A.	26		
21	♈	Athanas.	belly	7	45		
22	♉	Sun set 6. 42.	reins	8	5		
23	♊	10 p. Trin.	reins	8	24	Moons Setting.	□ ♄ ♂ a tempestuous air about this time, ☽ Perig. but. ☽ with ☊ towards the end of the month good harvest weather if I mistake not.
24	♋	S. Barthol.	secrets	8	51		
25	♌	Ludovic.	secrets	9	17		
26	♍	Sun ris. 5. 26.	thighs	9	40		
27	♎	Dog-days end	thighs.	10	20		
28	♏	Augustine.	knees	11	22		
29	♐	Dec. S. J. Bap.	knees	12	44		
30	♑	11 p. Trin.	legs	0 M	44		
31	♒	Sun set. 6. 25.	legs	1	48		

September hath XXX days.

Full Moon the 2 day, 39 min. past 8 at night.
Last Quarter the 10 day, 55 min. past 5 at night.
New Moon the 18 day 53 min. past 9 in the forenoon.
First Quarter the 25 day, 57 min. past 2 in the morn.

1	f	Egidius.	feet	3 M.	37	Dies	☌♃ ♂ a turbulent
2	g	Rachel.	feet	Full	☽		☌☉ ♄ air with wind
3	a	Sun rif. 5 42.	feet	6 A	30		rain and hail the be-
4	b	Theodof.	head	6	53		ginning of the
5	c	Zachary.	head	7	10		month.
6	D	12 p. Trin.	neck	7	34		
7	e	Sun set 6 11.	neck	7	53		
8	f	Nat. V. Mary.	arms	8	14		Fair and good about
9	g	Kunigur.	arms	8	44		☽ Apog the 8 and 9
10	a	Softhenes.	arms	9	21		☽ cum ♄. days.
11	b	Sun rif. 5 55.	breaſt	10	3	Moons Riſing.	
12	c	☉ in ♎	breaſt	10	5		☌♃☿ high wind
13	D	13 p. Trin.	heart.	12	1		and a moiſt air.
14	e	Exalt. Crucis.	heart	0 M	1		□☉♂ dry and wind
15	f	Nichodemus.	heart	1	19		☍♃♀ pleaſant wea-
16	g	Ember week.	belly	2	34		ther about theſe days.
17	a	Sun ſet 5 52.	belly	3	5		
18	b	Ferriolus.	reins	New	☽		☌♀☿ about this
19	c	Januarius.	reins	6 A.	41		time variable, & per-
20	D	14 p. Trin.	ſecrets	7	1		haps great rains.
21	e	S. Mathew.	ſecrets	7	24	Moons Setting.	
22	f	Sun riſ. 6 18.	thighs	7	45		
23	g	Joel.	thighs	8	31		☽ with ♀♆.
24	a	Rupert.	knees	9	20		☽'s Perigæon.
25	b	Cleophas.	knees	10	23		☍☌♀ ſhowers of rain
26	c	Sun ſet 5 36.	legs	11	32		in ſome places.
27	D	15 p. Trin.	legs	1 M	38		
28	e	Wenceſlaus.	legs	0	38		
29	f	S. Michael.	feet	2	17		winds and rain.
30	g	Sun riſe 6 34.	feet	3	38		☌♃☿ at the end.

October hath XXXI days.

Full Moon the 2 day, 36 min past 10 beforenoon.
Last Quarter the 10 day, 31 min. past 1 afternoon.
New Moon, the 17 day, 45 min. past 8 at night.
First Quarter the 24 day, about noon.

1	d	Remigius.	head	4 M. 55	D's set		A windy air at the beginning, with rain.
2	e	Leodegar.	head	Full ●			
3	f	Sun set 5. 20	neck	5 A. 48			
4	g	16. p. Trin.	neck	6 5			
5	a	Faith.	neck	6 21			
6	b	Aurelia.	arms	6 49			☌☉☿ High winds &
7	c	Sun rif. 6 48.	arms	7 30			☽ with ♄♂ rain.
8	d	Pelagia.	breast	8 19			☉☌♆.
9	e	Dionysius.	breast	8 55			☽ Apogæon.
10	f	Gedeon.	breast.	9 48			□ ♂ ♀ Sharp dry
11	g	17. p. Trin.	heart	10 55			winds about this time
12	a	Sun set 5. 2.	heart.	12 8			
13	b	☉ in m.	belly	0 M. 8			
14	c	Ja. D. Y. Nat.	belly.	1 35			
15	d	Sun rif. 7. 4.	reins	2 57			
16	e	Gallus.	reins	4 9			☌☉♃ A warm air
17	f	Florent.	reins	New D			and windy.
18	g	St. Luke. Eva.	secrets	5 A. 18			
19	a	Ptolomy.	secrets	5 52			△♄♂ wind cloudy
20	b	Sun set. 4. 46.	thighs	6 19			☽ cum ☿ & a tur-
21	c	Ursula.	thighs	7 10			bulent air these days
22	d	Cordula.	knees	8 20			☽ Perigæon.
23	e	Term begins	knees	9 33			about the 16 day Ve-
24	f	Salome.	legs	10 40			nus transits the Scor-
25	g	19 p. Trin.	legs	12 0			pions heart a turbu-
26	a	Sun rif. 7. 24.	feet	0 M. 0			lent air may be ex-
27	b	Victoria.	feet	1 29			pected.
28	c	S Sim & Jud.	head	2 42			
29	d	Sun set. 4. 30	head	3 52			
30	e	Absolon.	head	4 59			About the end may
31	f	Wolfgang.	neck	6 18			prove indifferent.

Moons Rising. Moons Setting.

November hath XXX days.

Full Moon the 1 day, 22 min. past 3 in the morning.
Last Quarter the 9 day, 42 m. past 10 in the forenoon.
New Moon the 16 day, 16 m. past 8 in the morning.
First Quarter the 22 day, 52 m. past 10 night.
Full Moon the 30 day, 24 min. past 10 night.

1	♋	All-Saints.	neck	Full	●		A sharp cold season
2	♌	All Souls.	arms	4 A.	50		□ ♂ ☿ with winds
3	♍	Sun ris. 7. 38	arms	5	19		□ ♄ ♀ &.) and cold
4	♎	Modestius.	arms	5	56	Moons Rising.	☌ ♃ ☿ rain or snow
5	♏	Gun. Pou. Tr.	breast	6	48		□ ♃ ♂ about the first
6	♐	Leonard.	breast	7	45		☽ Apog. week with
7	♑	Sun set 4. 17	heart	8	46		variety of weather.
8	♒	21 p. Trin.	heart	9	57		
9	♓	Theodore.	heart	11	3		✶ ♄ ☉ Cold air and
10	♈	Sun ris. 7. 48	belly	12	13		frost and snow like.
11	♉	Martin Bish.	belly	0 M.	13		
12	♊	☉ in ♐.	reins	1	42		
13	♋	Eugenia.	reins	3	2		✶ ♃ ♀ warm air a-
14	♌	Sun set 4. 7.	secrets	4	28		bout this time, the
15	♍	22 p. Trin.	secrets	5	40		season considered,
16	♎	Edmond.	highs	New	☽		✶ ♄ ☿ sharp cold
17	♏	Hugh.	thighs	4 A.	56		☽ with ☋ winds a-
18	♐	Sun ris. 7. 58	knees	5	47	Moons Setting.	bout this time.
19	♑	Elizabeth.	knees	6	58		
20	♒	Amos	legs	8	11		☽'s Perigæon.
21	♓	Obl. V. M.	legs	9	41		
22	♈	23 p. Trin.	feet	11	7		Upon the 30 day of
23	♉	Clement.	feet	12	17		this month will hap-
24	♊	Sun set 3. 56.	head	0 M.	17		pen a great Eclipse of
25	♋	Catherine.	head	1	38		the moon (if the air
26	♌	Convadus.	head	2	49		prove clear) may be
27	♍	Sun ris. 8. 6	neck	3	52		observed.
28	♎	Term ends.	neck	4	45		☌ ☉ ☿ Cold winds,
29	♏	Adv. Sund.	arms	6	0		△ ♄ ♀ Snow or Cold
30	♐	S. Andrew.	arms	Full	●		rain at the end.

Last Quarter the 8 day, about 11 a clock at night.
New Moon the 15 day, 27 min. past 5 afternoon.
First Quarter the 22 day, 20 min. past 2 afternoon.
Full Moon the 30 day, at 56 min. past 5 Evening.

1	f	Longinus.	arms	3	A.	50		☽cum ☌ a cold cloudy air at the begin-
2	g	Sun set. 3 49.	breast	4		44		☽ Apogæon. ning
3	a	Osmond.	breast	5		29		
4	b	Barbary.	heart	6		29	Moons Rising.	Fair.
5	c	Sun rif. 8 13	heart	7		34		□ ♄ ☿ A cold sharp
6	d	2 Advent.	heart	8		35		✶ ♂ ☿ air with high
7	e	Agathon	belly	9		49		winds about this time
8	f	Conc. V. Mar.	belly	10		59		and ☽ probably Frost
9	g	Cyprian.	reins	12		13		□ ☉ ♄ and Snow.
10	a	Miltiades.	reins	0	M.	13		☉ in ♑.
11	b	Damasus.	secrets	1		45		
12	c	Sun set 3 47.	secret.	3		4		
13	d	3 Advent.	thighs	4		34		□ ♃ ☿ open air and
14	e	Nicasius.	thighs	5		58		☽ with ☿, something
15	f	Abraham.	knees	New		☽		☽ Peirg warmer
16	g	Ember week.	knees	4	A.	20		✶ ♃ ☿ Ruffling winds
17	a	Sun rif. 8 12.	legs	5		49		with cold Rain or
18	b	Christopher.	legs	7		10		Snow may be expect-
19	c	Loth.	feet	8		32	Moons Setting.	ed about this time.
20	d	4 Advent.	feet	9		46		
21	e	St. Thomas.	feet	11		4		give liberally to the
22	f	Sun set 3. 53.	head	12		15		Poor, and be more
23	g	Dagobert.	head	0	M.	15		charitable one to a-
24	a	Adam & Eve.	neck	1		32		nother.
25	b	Christ Nati.	neck	2		40		△ ♄ ☿ Cold winds
26	c	St. Stephen.	neck	3		46		✶ ☉ ♂ & some rain;
27	d	St. John.	arms	4		53	☽ Rising.	☽ cum ☌.
28	e	St. Innocents.	arms	6		4		✶ ☉ ♃ a mid air.
29	f	Sun rif. 8. 33.	breast	7		20		△ ♃ ♂ the season
30	g	David.	breast	Full		☽		☽ Apog. Considered.
31	a	Silvester.	breast	4		7		Fin. An. Julia. 1685.

FOWLE, 1685.

AN

APPENDIX

To the precedent

ALMANACK,

For this present year of Mans Redemption, 1685.

Wherein is contained

I. A brief Chronological account, of some things worthy of note since the Birth of Christ to this present Year, 1685.

II. A Table shewing the hour and minute of the Moons coming to the South every day this present Year.

III. A Tide-Table, wherein is shewed what Moon makes full Sea, and what Hour and Minute in most places in and about *England*, and its use.

IV. A short Discourse plainly shewing the causes of the Eclipses of the two great Luminaries of heaven the Sun and Moon.

V. Of the Eclipses Incident this present Year, and the Calculation of the great Eclipse of the Moon that happens on the 30 day of *November* this present year.

VI. A brief description of the four quarters of this present year with some Astrological observations thereon.

VII. A Table shewing the time of the Seven stars coming to the South every Second day this year, with some easie rules whereby may be known the time of their Rising and Setting: very useful for such that travel early and late in the night.

By *THOMAS FOWLE.*

I will behold the Heavens the work of thy fingers, the Moon and the Stars which thou hast ordained. Psalm. 8. 4.

London, Printed by *M.C.* for the Company of Stationers, 1685.

A Computation of memorable times.

Since A.

THe birth of Christ	1685
Christ died on the Cross	1652
Rome burnt by the command of *Nero*	1623
England first received the Christian Faith	1508
Scotland first received the Christian Faith	1482
William of *Normandy* conquered *England*	617
The building of *Westminster-hall*	585
The Building of *S. Pauls* Church	599
London-bridg built with Stone	496
The first Mayor of *London*	495
The first use of Guns	245
The first use of Couches	147
The building the *Royal Exchange* the first time	120
A Plague in *London* wherefore died 30598	81
Th Hellish attempt of the Powder Plot, *Nov.* 5.	80
A Plague in *London* whereof died 35428	55
A great Plague in *Cambridg*	53
The Earl of *Strafford* beheaded	44
The great Fight at *Edg-hill*	43
Brainford Fight	42
Newberry first Fight, *September* 22.	41
Newberry second Fight	40
The Fatal Battel at *Naseby*, *June* 4.	40
The Bishop of *Canterbury* beheaded	40
King *Charles* I. murdered	37
Duke *Hamilton* Lord *Capel* and Earl of *Holland* were beheaded	37
Worcester Fight *September* 3.	34
Cromwel died *September*. 3.	27
General *Monk* marched to *London*	26
King *Charles* II. arrived in *London May* 29.	25
King *Charles* II. Crowned 23. *April*.	24
King *Charles* the II. Married	23
The last great Plague in *London*	20
The dismal Fire in *London*	19
The Duke of *Albemarle* died	15
Peace concluded with the Dutch	11

To find the time of the Moons coming to the South.

In the following table you have the hour and minute of the Moons coming to the South by inspection; it is ready set down against the day of the month: for every day in the year; therefore find the month desired on the top of the table, and your day in the first row to the left hand under the title days, and in the Angle of meeting you have the time of her Southing desired: As upon the first day of *January* you shall find by the table that the Moon will come to the South at 5 a Clock and 23 minutes past in the afternoon; the second day at 4 minutes past 6 a clock afternoon as the Letter (A) denotes, and likewise on the 14 day of *January* the Moon will come to the South point at 3 a clock in the morning as the Letter (M) denotes: for (M) stands for morning and (A) stands for afternoon; but where you find no Letter then it is always the same with the Letter next preceding, the thing is easie, and needs no further Explanation.

To find the hour of the night by the Shadow of the Moon on a Sun-dial.

First find her coming to the South, as before you are taught by the table: then repair to a Sun-dial and note the hour as you do by the Sun: and see what the Shadow wants; or is past the 12 a clock Line: for so much it wants; or is past her coming to the South; Example, upon the 5 day of *January* this present year, I find by the table that the Moon will be South at 9 minutes past 8 a clock in the evening; and suppose the same night I look on a Sun-dial and find the Shadow of the Moon to fall exactly on the hour line of a 11 that is one hour short of the 12 a clock line: therefore from 8 hours and 9 minutes I take one hour and there remains 7 hours and 9 minutes, the true hour of the night: but suppose again the same night the Shadow had fallen upon the line of 1. then to 8 hours and 9 minutes (the time of the moons Southing) I add one hour and the Aggregate is 9 hours and 9 minutes, the true time of the night. and so of any other night accordingly. the thing is easie to understand.

A Table shewnig the hour and minute of the Moons coming to the South every day the first six Months of this Year, 1685.

Days	*Janua.* H. M.	*Februa.* H. M.	*March* H. M.	*April* H. M.	*May* H. M.	*June* H. M.
1	5 A. 11	5 A. 53	4 A. 40	5 A. 54	6 A. 4	7 A. 27
2	5 54	6 40	5 27	6 42	6 55	8 20
3	6 40	7 31	6 15	7 31	7 48	9 15
4	7 27	8 21	7 3	8 21	8 42	10 12
5	8 15	9 10	7 53	9 12	9 38	11 12
6	9 3	10 0	8 44	10 3	10 36	12 15
7	9 50	10 53	9 35	10 56	11 34	0 M. 15
8	10 36	11 48	10 27	11 52	12 36	1 19
9	11 24	12 38	11 20	12 48	0 M. 36	2 20
10	12 13	0 M. 38	12 14	0 M. 48	1 38	3 16
11	0 M. 13	1 28	0 M. 14	1 50	2 40	4 11
12	1 5	2 20	1 10	2 52	3 37	5 0
13	1 56	3 12	2 7	3 53	4 32	5 40
14	2 45	4 5	3 4	4 53	5 26	6 21
15	3 34	5 0	4 0	5 52	6 18	7 4
16	4 24	5 54	4 55	6 45	7 8	7 48
17	5 14	6 50	5 49	7 32	7 56	8 32
18	6 5	7 45	6 41	8 16	8 40	9 17
19	7 0	8 40	7 32	9 1	9 18	10 4
20	8 0	9 34	8 22	9 45	9 58	10 53
21	9 0	10 28	9 12	10 30	10 40	11 42
22	10 0	11 21	10 2	11 14	11 26	12 32
23	10 56	12 12	10 51	11 57	12 14	1 A. 20
24	11 50	1 A. 0	11 38	12 40	1 A. 2	2 8
25	12 43	1 44	12 26	1 A. 24	1 50	2 55
26	1 A. 30	2 28	1 A. 12	2 8	2 38	3 42
27	2 15	3 10	1 58	2 54	3 26	4 28
28	3 0	3 54	2 43	3 40	4 14	5 15
29	3 44		3 30	4 27	5 2	6 3
30	4 27		4 18	5 15	5 49	6 53
31	5 10		5 6		6 37	

The Moons Southing for every day the last of Six Months of this Year 1685.

Days	July H. M	August H. M.	septemb. H. M.	October H. M.	Novemb. H. M.	Decemb. H. M.
1	7 A. 50	9 A. 35	11 A. 17	11 A. 45	12 41	0 M. 4
2	8 48	10 36	12 6	12 26	0 M. 41	0 52
3	9 52	11 34	0 M. 6	0 M. 26	1 28	1 38
4	10 56	12 31	0 53	1 8	2 16	2 24
5	12 0	0 M. 31	1 40	1 54	3 3	3 10
6	0 M. 0	1 20	2 27	2 42	3 51	3 56
7	0 56	2 10	3 14	3 32	4 38	4 42
8	1 47	3 0	4 0	4 22	5 26	5 28
9	2 36	3 50	4 46	5 11	6 14	6 13
10	3 25	4 40	5 32	6 0	7 0	6 56
11	4 12	5 30	6 20	6 48	7 48	7 44
12	4 56	6 18	7 8	7 36	8 38	8 38
13	5 40	7 4	7 56	8 24	9 30	9 38
14	6 24	7 50	8 45	9 12	10 24	10 41
15	7 10	8 37	9 34	10 0	11 17	11 46
16	7 55	9 24	10 24	10 50	12 13	12 49
17	8 44	10 10	11 14	11 41	1 A. 13	1 A. 48
18	9 34	10 56	12 5	12 35	2 14	2 43
19	10 24	11 42	12 56	1 A. 33	3 15	3 35
20	11 14	12 28	1 A. 48	2 32	4 12	4 25
21	12 4	1 A. 15	2 42	3 34	5 9	5 13
22	12 52	2 3	3 38	4 36	6 2	6 0
23	1 A. 40	2 52	4 35	5 36	6 50	6 44
24	2 28	3 44	5 36	6 32	7 36	7 30
25	3 16	4 42	6 36	7 23	8 22	8 16
26	4 4	5 40	7 37	8 10	9 7	9 2
27	4 53	6 39	8 36	8 55	9 51	9 49
28	5 44	7 38	9 30	9 40	10 36	10 36
29	6 37	8 36	10 20	10 24	11 20	11 23
30	7 33	9 31	11 0	11 9	12 4	12 11
31	8 34	10 25		11 54		0 M. 11

A Tide Table wherein is shewed what Moon makes a full Sea, and what hour and minute in any of these places here underwritten.

	Moon	H.	M.
Quinborough, Southamp. Portsmouth, S. Will.	*Sou. & Nor.*	0	0
Rochester, Maldon, Aberden, Redban.	*Sou. by west*	0	45
Gravesend, Romney, Tennant. Rank. Dovens,	*Sou. Sou. W.*	1	36
London, Tinmouth, Hartle-pool, Amsterdam,	*South west*	3	0
Barwick, Ostend, Scarbor. Flushing, Font.	*So. W. by W.*	3	45
Frith, Leith, Dumbar, Narb Silly, Mousb.	*west by Sou.*	4	30
Falmouth, Foy, Humber, Newcast. Torbay,	*west by Sou.*	5	15
Lyn, Antwerp, Plimouth, Hull,	*East and W.*	6	0
Bristol, Lamon, Poulness,	*East by Sou.*	6	45
Milford, Bridgwat. North-coast, Exmater,	*Ea. So. Ea*	7	30
Portland, Peterport, Hareflew, Hague,	*So. E. by E*	8	15
Orcheney, Pool, S. Hellen, Orwellsee, Edd,	*South East*	9	0
Oxford, Needles, Deep, Lux, Lenow, Cask,	*So. E. by So.*	9	45
Dover, Yarmouth Harwich, Dublin, Bulloin,	*Sou So. Ea.*	10	30
Catlice, Rye, Winchelsey, Calshot,	*Sou. by Ea.*	11	15

The use of the Table by Example.

The 26 day of *January* I desire to know at what time it will be full Sea at *London*; first I get the time of the Moons coming to the South by the preceding table, which I find to be at 1 a Clock, and 42 minutes Afternoon; then in this Table I seek for *London*, and right against it I find South-west in the second row, which sheweth, that a South-west and a North-east indowed makes a full Sea there. Also in the third row I find 3 hours, which being added to 1 hour, and 45 minutes (the time of the Moons coming to the South that day) the Sum will be 4 hours, and 42 minutes for the time of full Sea at *London* the 26 day of *January*, the like is to be observed for any other place mentioned in the Table.

But you are to Note that the Tides do not always fall out exactly at the time found in this table by reason of the difference of the Moons Latitude, boisterous Winds, Land floods, &c. which may cause them to err at sometimes from the time that is here found: but this is the exactest Rule that can generally be given for finding of them.

Note also, at *Quinborough*, *Southampton*, *Portsmouth*, and *Wellings*, that a South and North Moon, makes a full Sea there at those places; therefore find the coming to the South of the Moon, by the table, as before I have taught, and the same sheweth the time of full Sea there; but for any other place you must add the hours, and minutes standing against the Same, in the tide table, to the hours and minutes of the Moons coming to the *South*; and the Aggregate sheweth the time of high-water in any other place noted in the said table: which is I think so ease to be understood, that nothing more may be said: touching the same.

Of Eclipses.

Having in my *Speculum uranicum* for the years 1683. and 1684. given you the Cause and Significations of Eclipses at large, of the two great Luminaries, *viz.* the Sun, and Moon: but for the sakes of those that have not seen that, I shall for their information give them the reason and cause of Eclipses: therefore an Eclipse is a deprivation of a Star or Planet of its Light, by the interposition of another body dark and opacous. Secondly, Eclipses are chiefly either Solar or Lunar. Thirdly, a Solar Eclipse is when the light of the Sun is Obscured to us by the interposition of the body of the Moon between the Sun and the Earth, these demonstrate the Moon to be both lower and less than the Sun; a Solar Eclipse is always made at the conjunction or new Moon, wherein the Moon passeth directly between the Sun and us. According to the Site of the Earth, so the Sun seemeth to be Eclipsed: in some parts of the Earth he seems Eclipsed on the north side, and again in other parts on the South side, and again in other parts of the earth; at that same instant of time he is not seen

eclipſed at all; the true reaſon of all this ariſes from the nature and quantity of the moons parallax.

Fourthly; A Lunar Eclipſe is, when the Light of the Moon is obſcured to us, by the interpoſiton of the body of the earth between the Moon and the Sun; theſe are always made at an oppoſition or full Moon, and demonſtrates, that the Sun, Moon, and Earth, are not only in one direct right Line but alſo that the Earth is placed and moved in the middle of the Zodiack, becauſe ſhe is Eclipſed in the oppoſite places thereof: we alſo by the ſame underſtand that the Sun is far greater than the earth, and the Moon far leſs, and by them we alſo diſcover the Longitude of places upon earth; fifthly the Moons way in her orbit croſſes the Ecliptick, or Line of the Sun at oblique Angles: the diſtance of theſe lines is the Moons Latitude, the points where they Croſs the Ecliptick are the Dragons head, or Dragons tail, in or near which points it is that the Sun or Moon always ſuffer an Eclipſe.

Sixthly, the quantity of an Eclipſe is Eſtimated by digits: a digit is one twelfth part of their diameters; and therefore according to the proportion of thoſe parts; ſo many digits are ſaid to be Eclipſed; according to the quantity Eclipſed ſo the Eclipſe is ſaid to be either total or partil; a total Eclipſe is when the Luminary is wholly darkned; a partil Eclipſe is when but only in part. Hitherto of the nature of an Eclipſe for the informations of the Vulgar Admirers thereof. And finally the God of nature by Eclipſes of the Luminaries, fore-warns this Sinfull World of the revolutions of Kingdoms and States, the Death and detriment of Princes, Governours, and Great men, of Hereſies, Sects and Seditions in the Church, Alterations of Laws and Cuſtoms, of Drought and Inundations, of Ruines, Wars, Famine, Plague, and Peſtilence; and in Fine the Viciſſitude of all Sublunary things: the next thing in order I ſhall deſcribe; is the Eclipſes that ſhall happen in this year 1685.

of

Of the Eclipses this present Year. 1685.

There will happen within the revolution of this year, three Eclipses; *viz.* one of the Sun, and two of the Moon, and they will happen according to this following order.

The first of the Moon, on the Sixth day of *June*, about 6 of the clock at night in the Twenty sixth Degree of the Sign Sagittarius, or Archer: It will not be seen of us in *England*, by reason of the Moon being below the Eastern Horizon at the time thereof.

The Second will be an Eclipse of the Sun, on the Twenty first Day of *June*, at Eight a Clock at Night, in Ten Degrees of the Celestial Crab: but will scarcely be visible to us, because the Sun is then about his setting: besides, it will be but a Small Eclipse.

The Third will be a great Eclipse of the Moon: and will happen on *November* the 30th Day, It will be visible to us in *England* and a Total and Central Eclipse; and Admirably worth the Observations, of all those Industrious Sons of the Divine Urania: the Calculations whereof I shall Insert at large according to the method of Astronomy.

The Calculation whereof followeth, viz.

		d.	*h.*	°	*m.*
Middle time of the true opposit. at *Lond. Nov.*		30	10	2	20
Equation of time according to the Tycho add.		0	0	3	43
The apparent time of the true opposition		30	10	33	3
Co-equate Anomalie of the Sun		5	12	48	25
Co-equate Anomalie of the Moon		11	25	13	58
True motion of the Moons lat. from the ☊		0	0	28	27
Ergo her true latitude North ascending		0	0	2	29
True place of the Sun		♐	19	37	58
True place of the Moon in her orb		♊	19	37	58
Reduction substract		☊	0	0	9
True place of the Moon in the Ecliptick		♊	19	37	9
hourly motion	of the Sun		0	0	2	33
	of the Moon		0	0	29	41
	of the Moon from the Sun		0	0	27	8

By

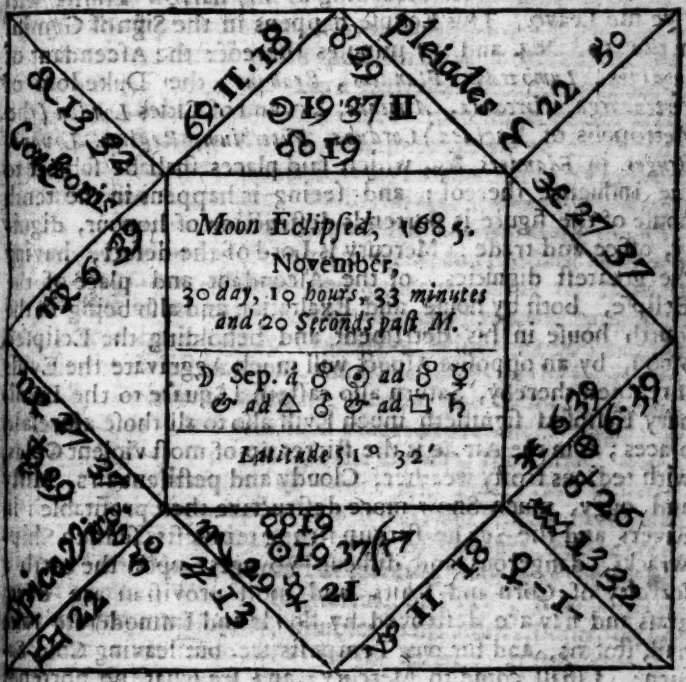
	h.	d.	′	″
By which dividing the Reduction and the Quotient in time is add	0	0	0	10
Therefore the equated time of the true opposition of Sun and Moon	30	10	33	23
Semidiameters of the Moon	0	0	15	35
Semidiameters of the Shadow	0	0	41	1
Aggregate of their Semidiameters	0	0	56	36
Scruple deficient	0	0	54	7
Therefore the Digits eclipsed 20 dig. 51 min.				
Minutes of incidence and half tarriance	0	0	61	36
Minutes of half tarriance	0	0	25	14
Time of incidence and half tarriance	0	2	16	12
Time of half tarriance	0	0	55	47
Distance of the true opposition from the greatest obscuration substract	0	0	0	3
Ergo the greatest obscuration is	30	10	33	20

hence	h.	m.	St.	
The beginning of the Eclipse	8	17	8	*Novemb.* the 30 day p. m. or Afternoon.
Beginning of total Darkness	9	37	33	
The middle	10	33	20	
End of total Darkness	11	29	7	
The end of the Eclipse	12	49	32	

The total duration is 4 hours 32 minutes, and 24 seconds.

But perhaps this calculation is not for vulgar Apprehensions for to understand, therefore for the sake of those I shall describe it more plainly which take as followeth, *viz.* the beginning will be at 17 minutes past 8 a clock in the Evening; beginning of total darkness 37 minutes past 9 a clock; the middle or greatest obscuration, will be at 33 minutes past 10 a clock, the end of total darkness will be at 29 minutes after 11 a clock in the night, and the end of the said Eclipse is at 49 minutes after Midnight the said 30 day of *November*, the whole duration is 4 hours and 32 minutes, as is aforesaid, omitting the second. In the next place, Seeing this Eclipse is great and worthy of making of observations thereupon I shall erect a Scheme of Heaven for the middle time thereof which

which is as followeth for the Latitude of *London*, the Moon being Eclipsed in the Ascendant thereof.



A brief Astrological Judgment on this Eclipse.

According to the Canons of Astrology: in delivering of my Judgments upon the Eclipses of the two great Luminaries of the World (*viz.* the Sun and Moon) we are first to consider: the places and persons Subject to their Influence: Secondly, what Planet is Lord of the Sign wherein the defect happeneth: Thirdly, what Planet is Almuten of the Eclipse: Fourthly,

fourthly in what house of Heaven, fifthly, what Planet, or Planets behold the Eclips by good or Evill Aspects: Sixthly the greatness of the Eclipse, or quantity of digits Eclipsed: and of these in order according as my narrow Limits will give me Leave. This Eclipse happens in the Sign of Gemini in the 19 Deg. and 37 minutes thereof: the Ascendant of *Sardinia*, *Lumbardy*, *Flanders*, *Brabant*, the Dukedom of *Wertenburgh*, *Hircania*, *Armenia*, &c. and of Cities *London* (the Metropolis of *England*) *Corduba*, *Viterbium*, *Regium*, *Lovane*, *Bruges* in *Flanders* &c. which said places shall be subject to the influence thereof: and seeing it happens in the tenth house of the figure it portends destruction of honour, dignity, office and trade: Mercury is Lord of the defect, having the greatest dignities, of the Ascendant and place of the Eclipse, both by house and Exaltation and also being in the fourth house in his detriment and beholding the Eclipsed Moon, by an opposite Aspect will much Aggravate the Evills threatned thereby, Saturn also casteth a Square to the Luminary Eclipsed signifieth much Evill also to all those aforesaid places; as in the Air he is the stirrer up of most violent Colds, with tedious frosty weather, Cloudy and pestilent airs, Misty and oggy, much Snow more destructive then profitable: in Rivers and the Sea he stirs up strong tempests, sudden Shipwracks, dangerous and difficult Voyages: upon the earth a scarcity of Corn and fruits, and most provision are dear, grass and hay are destroyed by floods and Immoderate rain, hail, storms, and furious Tempests &c. but leaving Cold Saturn: I shall come to Mercury, and see what he portends being Sole Lord of this defect; he signifies Robbers upon the High-ways, and Pyrates at Sea, and will afflict mankind with Coughs, Consumptions, Quotidian Feavers &c. In the air High winds, thunder and Lightning: with sudden tempest, much prejudicial to the fruits of the earth: and now as I mentioned above violent Colds, from the influence of Saturn: Let us pray unto Jehovah the ruler of the Stars not to Afflict us again with such a bitter tedious Cold frosty Winter, as we had the last year past, which hath not been known in the memory of any man now living in *England*, we may well call it the Digiti Dei, the finger of God: nay we may Call

it

is Flagellum Dei the Scourge of God, for to scourge us for our Sins and Impieties, against his divine Majesty: and yet for all that bitter, Cold, hard frost that we had here in *England* when the greatest Rivers and also some parts of the Seas were Frozen that men might go on the Ice as on dry Land, O how presumptuous were many to make booths on our greatest River for to Drink and Tipple in, as it is reported for truth; let us Pray to the Lord with our whole hearts that he would not Afflict us any more with such a tedious Frosty Winter as the Last was. This Eclipse happens in an Aiery Sign Ergo it foreshews stormy and tempestuous Air, Vehement Thunder and Lightning, Pestilential Diseases, Shipwracks at Sea, Abortive births, Stirs up Animosity among the Vulgar people and bad to Trading to them, and produce an Army of Locusts, Catter-pillars, and other vermine to Destroy the product of the earth: and all those Evils will happen to those places that are under Sagitarius, being the opposite Sign wherein the defect happens, and those places be the Kingdoms of *Spain*, *Dalmatia*, *Hungary*, *Arabia*, the Cities, *Tolletum*, *Collonia*, *Buda*; and also such Places as are under Virgo; as *France*, *Assyria*, *Crete*, *Silesia* the Lower, the Cities, *Paris Lyons*, *Bazil*, *Jerusalem*, all which said places shall more or less taste of the influence of this defect, and also for particular mens Nativities: such as have their Ascendants, Midheaven, place of Sun, Moon, or part of fortune, in or near the 19 degree of gemini, Virgo, Sagitarius, or Pisces, shall undergo some distempers of body, troubles in his affairs, Controversies Law-suits with some losses in his Estate; if the same be Culminating *viz.* the Cusp of his medium Cœli it is prejudicall to his Credit and Reputation, and denotes great damages in his profession, with some violent actions to his body, by falls, blows, wounds *&c.* the like if it happen near the place of the Sun, who hath principall Signification of the particular actions, belonging to man: if it so happen near the place of the part of fortune, or in the second house *&c.* which have more particular Significations of Riche, and the goods of fortune; Let such expect to receive, infinite Losses, and undergo great Difficulties, wants *&c.* According to their several Capacities; hence you may perceive how necessary

it

it is for every man to know the estimate time of his birth, and get the same truly rectified by the most demonstrative principles of art thereunto belonging, for from thence is most truly known the Causes of all mutations and principal transactions attending every man, *&c.* the total duration of this Eclipse is 4 hours, and 32 minutes; therefore the effect signified thereby will continue in force (according to the Rules of Astrologers) four months, and one half from the time of its appearance: according to the opinion of some great Masters in the said Art: and according to that rule it will operate in the month of *December* this present Year, and in *January*, *February*, *March*, and part of *April*. the next year 1686; and thus much for this Eclipse of the Moon.

Of the four Quarters of the Year.

First of the Spring.

The Spring Quarter derives its name à Virendo, quia tum omnia virent & florent: because all things then was green and flourish: and according to the Astronomical accounts it's beginning when the Sun that glorious Lamp of Heaven, enters the first point of the Equinoctial Sign *Aries*, or the Barch into the first point of Libra, which you will have it; which happeneth this year 1685, (in the Meridian of *London*) on Monday the 9 day of *March*, at 8 hours 30 minutes and 49 seconds which is thus proved, by Astronomical Calculation: According to Astronomia Britannica. *V. W.*

Tempus

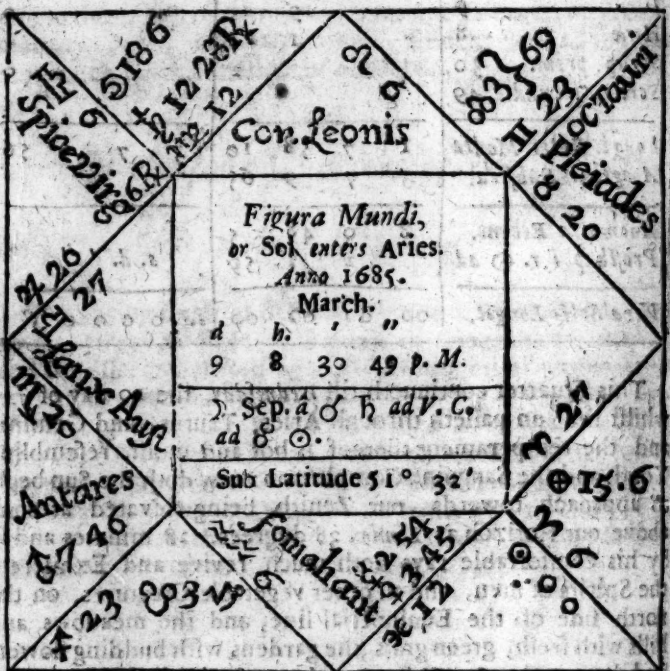
Tempus datum	*Longitudo Solis.* S.	D.	M.	Se.	*Apogæi Solis.* S.	D.	M.	Se
Anno Chr. 1681	9	20	33	48	3	7	5	38
4	0	0	01	48			4	07
	1	8	09	11				10
Mensis Martii Com.		8	52	15				1
Dies 9			19	43				0
Horæ 8			1	14				0
Scrup. prim. 30				2				0
Scrup. secund. 49								
Longi. Solis Media	1	27	58	10	3	7	9	56
Apogeon. Substra.	3	7	9	65				
Anomalia Eccent.	8	20	48	5				
Prosthaph. ☉ ad		2	1	59	*s. d.*			
Vera Solis Longit.	00	00	00	00	*i.e.* 0	0	0	♈

This Quarter continueth till *wednesday*, the 10 day of *June* whilst the Sun passeth through Aries, Taurus, and Gemini; and the temperament thereof is hot and moist, resembling Youth and the Sanguine Complexion: now doth the Sun begin to approach towards our Zenith, being elevated at noon above our Horizon at *London* 38 degrees. 28 minutes and so by his comfortable rays doth much revive and Exhilerate the Spirits of men, and all other vegetable Creatures, on the north side of the Equinoctial line, and the meadows and hills with fresh, green grass, the gardens with budding flowers and the naked trees with green Leaves, *&c.* and it is now the best time in the year, to take Phyfick, and touse Phlebotomy, to purge away noxious humours, which are the causes of most diseases incident to the body of man, the Spring is the most pleasant and wholesome of all the seasons in the year: and therefore let them that now stand in need of their health,

seek

seek out for help to the Learned Physitian for the prevention of further danger; but this is by the way: I shall now come to speak something of this present Revolution, which (as is above said) commenceth the 9 day of *March* 8 hours 30 minutes and 49 seconds, in the Afternoon, the face of Heaven appearing then at the same time after this manner as this following figure expresseth.

Constitutio Cœli ad tempus ingressus Solis in Arietis principium.



Although many Contingencies may naturally be deducted from the position of the Cælestial bodies touching the state of Kingdoms and Common-wealths, as their prosperity, Sub-

Subverſion, and the like, which the Aſtrologer by the very inſight of nature, may oftentimes foreſee, as not only Hiſtory but theſe preſent times do teſtifie: yet nevertheleſs, leſt I ſhould ſoar too high and be thought extravagant, I ſhall level my Pen in the inquiry of ſuch matters, as are more pertinent to our purpoſe, and ſhall deliver nothing, but what I have both Author and ground for in Aſtrology.

In the former figure the 27 degree of Libra is found to Aſcend: which is the exaltation of Saturn who is then poſited on the Cuſp of the eleventh houſe in the 12 degree of Virgo Retrograde the Aſcendant of *France*, &c. and in ſquare to Mars which is poſited in the ſecond: and in oppoſition to Venus and Mercury in the fourth houſe: Jupiter in the 12 houſe in Semiſextile of Saturn: the Moon in the 11 houſe ſeparating from a Conjuction of Saturn, and after a ſhort Vacuum, ſhe applyeth preſently to the oppoſition of the Sun; Mars in a platick trine of the Sun, and Jupiter is in Conjunction of that glorious fixed ſtar Spica Virginis, all which ſaid Poſitions being conſidered, and alſo another Kingly fixed Star in the tenth houſe of our revolutional figure (called by Aſtrologers) Cor Leonis or Lions heart and Mars *Englands* Significator is in the ſecond houſe in trine to the medium Cœli and in conjunction of Antares a ſtar of his own nature, hath ſome ſignification of good as to our Engliſh nation; but Saturn being in the eleventh houſe in this Vernal figure portend but little fidelity amongſt friends; and will cauſe much ſorrow and diſcord and alſo will deſtroy mens hopes, but Jupiter in Libra near the Aſcendant ſignifies, that Judges and all other ſtudents of the Law ſhall be had in great eſteem and much honoured by the common ſort of people: and Mars being in a ſquare aſpect to Saturn the Souldiery will be apt to quarrel with one another in ſuch places where there be armies Raiſed: little fidelity will remain amongſt men, or men will be leſs faithfull unto one another than formerly; men will be apt to brawl and quarrel, eſpecially thoſe that are puft up with pride and vain glory; theſe Vanities in ſome, and Vices in others will more vigorouſly manifeſt themſelves unto mankind, becauſe Saturn is poſted in the eleventh houſe: the □ of Mars and Venus ſignifieth little love between Men and there Wives: Women

will be apt to Brawl and ſcold with their Huſbands this year, and alſo to domineer over them: and if it be ſo what man can help that, for what man I pray you (if he be never ſo Wiſe) can rule a croſs, and contentious Scoulding Wife, *Socrates* was a Wiſe Phyloſopher (I'll aſſure you) yet he could not tame ſuch a Woman: with all his Philoſopy: and there be many men now adays (yea too too many) that partake of *Socrates* his fortunes, but this by the way.

Venus being Lady of the Aſcendant, and She in the fourth houſe in a fruitful Sign, and in her exaltation, hath ſome ſignification of a fruitful year, as for Hay and Graſs unleſs old Saturn thwart this Judgment, and Mercury being in conjunction with Venus in the Sign piſces, at the time of the revolution ſignifieth great Winds and Rain this Vernal quarter, and for diſeaſes, men ſhall be much afflicted with watery tumours and ſuch like: many other things might be noted by this Poſition which I have paſſed by, and thus much for this Spring Quarter.

Of the Summer.

The Summer quarter begins when the Sun enters the firſt point of the Tropick Cancer, which happens this year on *Wedneſday* the 10 day of *June* at 32 minutes paſt 10 a clock in the night, at which time there is on our Eſtern Horizon the 14 degree of Aquarius, and upon the mid-Heaven there Culminates, the 10 degree of the ♐agitary; Luna being Angular in the Aſcendant, ſeparating from, the trine of ♃ to the trine of the Sun, and after a ſhort vacuum to the □ of firy Mars in the ninth houſe: ☽ in the 8 and ♄ in the Seventh, the Sun in the fifth in ♌ with Venus and Mercury, ſignifieth thunder and lightnings and ſudden Showers of Rain to allay the burning heat of Mars: but the month of *July* will produce ſome variety of weather, ſometimes hot and ſultry air, and other times thunder and Lightnings with ſome ſhowers; about the middle of *Auguſt* ſudden ſtorms of Rain, Hail and thunder.

Of Autumn or Harveſt.

The Autumnal quarter being a ſecond Equinox to all on this ſide the polar Circles is called Autumn, from Augeo quia fruges

fruges augentur, for the fruits of the earth are increased and ripened: this Autumnal or Harvest quarter, begins when Sol enters the first minute of the ballance making the days and nights Equall the second time, and this year it happeneth on *Saturday* the 12 day of *September*, at 2 minutes past 2 a clock in the afternoon, at which time the 3 degree of the Sign Scorpio possesseth the medium Cœli, and the 28 degree of the Sagitary Horoscopeth, Cauda near the Cusp thereof, ♄ in the 8 house, ♃ ☿ ♀ in conjunction in the ninth, and the ☉ near the Cusp of the ninth also; Mars in the Ascendant, Luna in the seventh separating from an opposition of Mars and applying to a sextile of Saturn *&c.* all which said Positions being considered portends that the Law and Religion shall greatly flourish in our Land of great Britain; and the Learned Divines shall be much honoured: But as Saturn is in the eight house, many aged persons, shall be taken away by Death; as for the weather this quarter will produce many times high, lofty, bufling Winds, and sometimes you may expect much Rain, and increase of waters, raising Springs and fountains, by reason of much western Winds.

This quarter is by nature Cold and dry, therefore the Sanguine are now best in health, and the Melancholy Subject to Distempers: for youth this Season is best, but the worst for aged people.

Of the Winter Quarter.

The Winter quarter (or rather mid-winter) begins according to our account Astronomical when the Sun the fountain of Light entreth the first scruple of the tropick Capricornus making thereby the shortest days, and longest nights, having made his farthest progress towards the South Pole, and greatest Declination from us that inhabit the northern Hemisphere, which ingress happeneth this year on the 11 day of *December* being *Fryday* 38 minutes past 2 a clock in the morning.

Mid-Heaven the 7 degrees of Leo.
Aſcendant the 27 degrees of Libra.

In which figure Jupiter and the Moon are Angular in the Aſcendant, Venus and Mars in the Imo Cœli, Sun Mercury and the Cauda in the third houſe, Saturn in the eleventh, the Moon ſeparating from a trine of Venus, and after a ſhort vacuum applyes imediately to a trine of Mars and then to a conjunction of Jupiter: the Sun in Square to *Saturn* portends a cold ſeaſon about the time of the ingreſs: but the latter end of *December* may prove more mild: this Hyemal quarter is cold and moiſt generally: From hence it is, that Youth and chollerick People are beſt at eaſe and in health; Age and phlegmatick Conſtitutions are moſt diſtempered. And thus I have in ſhort, and with much brevity, given you the time of the four quarters of the Year, and ſome Aſtrological Obſervations thereon; much more might have been ſaid from the Poſitions of the Heavens, and Configurations of the planetary bodies; but the Stars are but ſecondary cauſes, yet have they their ſingular influence upon t is inferior Globe. *I have cauſed it* (ſaith the Lord) *to rain upon one City, and not upon another. Amos* 4. 7. Therefore 'tis only God Almighty that can alter the Courſe of nature when he pleaſeth, to bring Judgments upon a Land and Nation for their Rebellion and Impieties againſt him, otherwiſe no queſtion but the alterations and changes which are cauſed in and upon theſe Inferiours, by the various Configurations of the cœleſtial bodies may oft-times be foreſeen and avoided, according to the 5 Aphoriſm of *Ptolomy* in his Centiloquium: he that is skilful may divert many Effects of the Stars when he knows their Natures, and will prepare himſelf before their event or coming: And ſo let this ſuffice to be ſpoken touching this revolution.

That Science that may now be called the Miſtris of Humanity, as bringing under its enquiries more ſecrets in nature and objects of an elevated underſtanding, than any other had; but her Cradle rudely framed of Chaldaick and Arabick materials, who ſoiling her native Beauties with the ſuperſtitious

ſtirious Pigments of their own compoſitions, leſt poſterity a harder task to diveſt her of that glorious varniſh.

Yet ſuch hath been her felicity, that ſhe hath found thoſe Nurſes who were not content to grope after future events by the motions of the Stars; but by a far more laudable attempt ſought our, and happily found the motions of the Stars, from the rules of Art thereby antedating appearances, and in their tables giving a view of what the World was afterward to read in poſtſcript.

To theſe endeavours, the Genius of this latter age hath been a principal motive, which caſting off the yoke of Barbariſm, hath with more ſincerity and leſs ſuperſtition (if we except ſome few ſideral Enthuſiaſts) applied themſelves to this noble Study; and with ſuch ſucceſs, that the vulgar have been amazed at their powerful Art, and being like other Agents uncapable of action beyond their proper Sphere of Activity, have been ready to impute to the revelations of Spirits thoſe works of Mans wit and induſtry they underſtand not.

Mr. *Saunders* ſaith, that there is a generation, the ſpawn of the old Serpent, that run into extreams, willing not at all to own that moſt glorious part of the Creation; but like moles always diging in the Earth; and to ſalve their lazy Ignorance, ſpit their Venom in reproachful terms, in the Faces of ſuch, who ſoberly avoiding thoſe extreams, acknowledging them Creatures; and in a right and Chriſtian way from hence, ariſe the comfortable knowledg of the great Creator, God bleſſed for ever; and I wiſh there had not ſome (whoſe calling calls them to mind better things, who want not Learning, but Grace) been too guilty herein whoſe wilful Ignorance is the more inexcuſable: But my intention is not to contend with, nor to amend the wilful, but to inform the honeſt heart in theſe ſublime notions, and plainly to ſhew, how a right natural, and a comfortable uſe may be made of the knowledg of the cœleſtial Orbs, and bodies to our great comfort, and God's glory, which is a ſubject, as delightful and neceſſary, ſo uſeful and Comfortable; for want of room I cannot ſpeak no more of this for the preſent,

The uſe of the following Table to find the Riſing, Southing, and Setting of the Seven Stars.

Find the day of the Month in the firſt Column towards the left hand in the Table, and likewiſe the Month at the top of the Table, and in the common Angle againſt the day you ſeek for, you ſhall find the time of the Seven Stars coming to the South, as upon the 9 day of *January*, the Seven Stars will be South at 7 of the Clock, and 18 minutes Afternoon, as the letter (A) overhead denotes: and likewiſe on the 7 day of *July*, they will be South at 7 of the clock, and 38 minutes in the Morning, as the letter (M) denotes; for A ſtands for Afternoon, and M for Morning: It is ſo eaſie to underſtand, that I think to explain it further is needleſs.

But if you deſire to find the time of their Riſing, ſubſtract the Semidiurnal Arch of the Seven Stars (which is 8 hours and 16 minutes, as I have noted it at the foot of the Table) from their time of Southing, and it gives you the time of riſing: But note if the Semidiurnal Arch be the greater number, that Subſtraction cannot be made, you muſt then add 12 hours to their Southing, and what remains after ſubſtraction, is the time of their riſing, as before.

And likewiſe to find their time of ſetting, then you muſt add their Semidiurnal Arch to their time of Southing, and the Aggregate ſheweth the time of ſetting, which is eaſie for moſt People to apprehend.

A Table shewing the hour and minute of the Seven Stars coming to the South every second day this Year.

Days	*January* h.	m.	*Februar.* h.	m.	*March* h.	m.	*April* h.	m.	*May* h.	m.	*June* h.	m
1	7	A.53	5	A 45	3	A.58	2	A. 6	12	A.13	10	M. 7
3	7	45	5	37	3	51	1	58	12	5	9	59
5	7	36	5	29	3	43	1	51	11	M.57	9	50
7	7	26	5	21	3	37	1	44	11	49	9	42
9	7	18	5	13	3	30	1	36	11	41	9	34
11	7	10	5	5	3	22	1	29	11	33	9	25
13	7	2	4	58	3	15	1	21	11	25	9	17
15	6	54	4	50	3	8	1	14	11	17	9	9
17	6	45	4	43	3	0	1	6	11	9	9	0
19	6	36	4	35	2	53	12	59	11	1	8	53
21	6	28	4	28	2	46	12	51	10	53	8	44
23	6	20	4	20	2	38	12	44	10	45	8	36
25	6	12	4	13	2	31	12	36	10	36	8	28
27	6	4	4	5	2	24	12	28	10	28	8	19
29	5	56			2	17	12	21	10	20	8	11

Days	*July* h.	m.	*August* h.	m.	*Septemb.* h.	m.	*October* h.	m.	*Novem.* h.	m.	*Decemb.* h.	m
1	8	M. 3	6	M. 2	4	M. 6	2	M.19	0	M.18	10	A. 7
3	7	55	5	54	3	59	2	12	0	10	9	59
5	7	46	5	45	3	52	2	4	0	2	9	50
7	7	38	5	38	3	45	1	57	11	A.50	9	41
9	7	30	5	30	3	37	1	50	11	41	9	33
11	7	22		23	3	31	1	42	11	33	9	24
13	7	14	5	15	3	23	1	34	11	25	9	15
15	7	6	5	8	3	15	1	26	11	16	9	9
17	8	58	5	0	3	8	1	18	11	7	8	57
19	8	51	4	53	3	0	1	11	10	59	8	48
21	8	47	4	46	2	53	1	3	10	50	8	39
23	8	39	4	31	2	46	0	55	10	42	8	30
25	8	31	4	24	2	39	0	47	10	33	8	21
27	8	23	4	17	2	31	0	39	10	24	8	12
29	8	14	4	9	2	23	0	20	10	15	8	4

The Semidiurnal Arch of the Seven Stars is 8 hours 16 min.

Postscript to the Reader.

COurteous Reader, that desirest no aversion of the Method nor Dissipation of the matter, but endeavourest to get benefit by reading, profit by embracing, and contentment by practising: And to such do I recommend the placed Fruit of this my sixth Years Labour, a Piece small in magnitude, but large enough in matter, and easie for thy understanding, yea so useful, so pleasant, and necessary are the Calculations (be it spoken without the least spark of Ostentation) that it need not to be ashamed to appear abroad, not only to the Vulgar, whose understandings are wrapt up in obscurity, but may unmask, and shew its Face in the Sun-shine, amongst most Proficients, there to abide the touch of their candid Censure, and loving Approbation. In a word, if any thing be amiss, I desire thee to correct it; if well to defend it, however to accept and use it; and in so doing, thou shalt encourage me still to continue my annual Labour. But if it happen to come into the hands of some captious Ass, who thinks himself wiser than the rest of the World, and like a country Cur, bark at my backside, and is angry with me for what I have done; I shall say no more but this, Let him mend it by shewing a better of his own; for it is easier to Carp than to Copy. So commending this to thy friendly Censure, I rest.

The Stars are Letters, and the Heaven's Gods Book,
Which day and night we may at pleasure look;
And thereby learn uprightly how to live,
Yea all Gods Creatures special Lessons give.
Thus we must strive to follow all our days,
God (the first mover) in his holy ways:
Consider then, and herein you shall see
Gods wondrous Works, observed fit to be;
Forget them not, prepare against his day,
Casting thy loathsom, ugly Sins away.

And so farewel until the next Year, (if God spare my Life so long.)

Thine, *Tho. Fowle.*

FINIS.